



The NORDAM Group Overview

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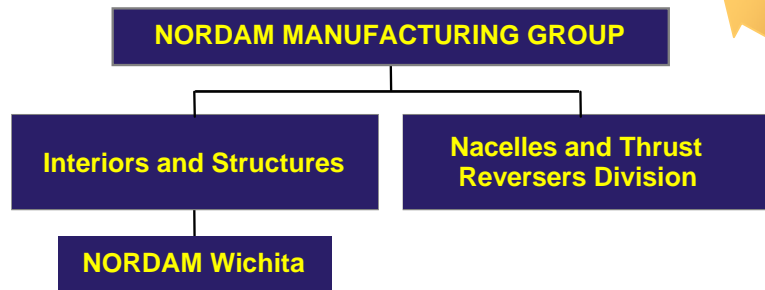


Company Overview

- Founded in 1969
- Privately held
- \$500 million in annual sales
- 2,400+ employees worldwide
- Ten operating locations worldwide with over 2 million square feet of facility space:
 - Tulsa, OK – 6 facilities; Wichita, KS;
 - Cardiff, Wales; Altrincham, Cheshire UK;
 - Singapore
- Aerospace industry experience in Business Aviation, Commercial, Regional and Military markets

Organization Structure

Manufacturing



Transparency
Division

NORDAM
Transparency
Europe
Ltd.

Aftermarket

NORDAM REPAIR GROUP

Repair
Division

NORDAM
Europe
Ltd.

NORDAM
Singapore
PTE Ltd.

Multiple Divisions With Ten Facilities On Three Continents

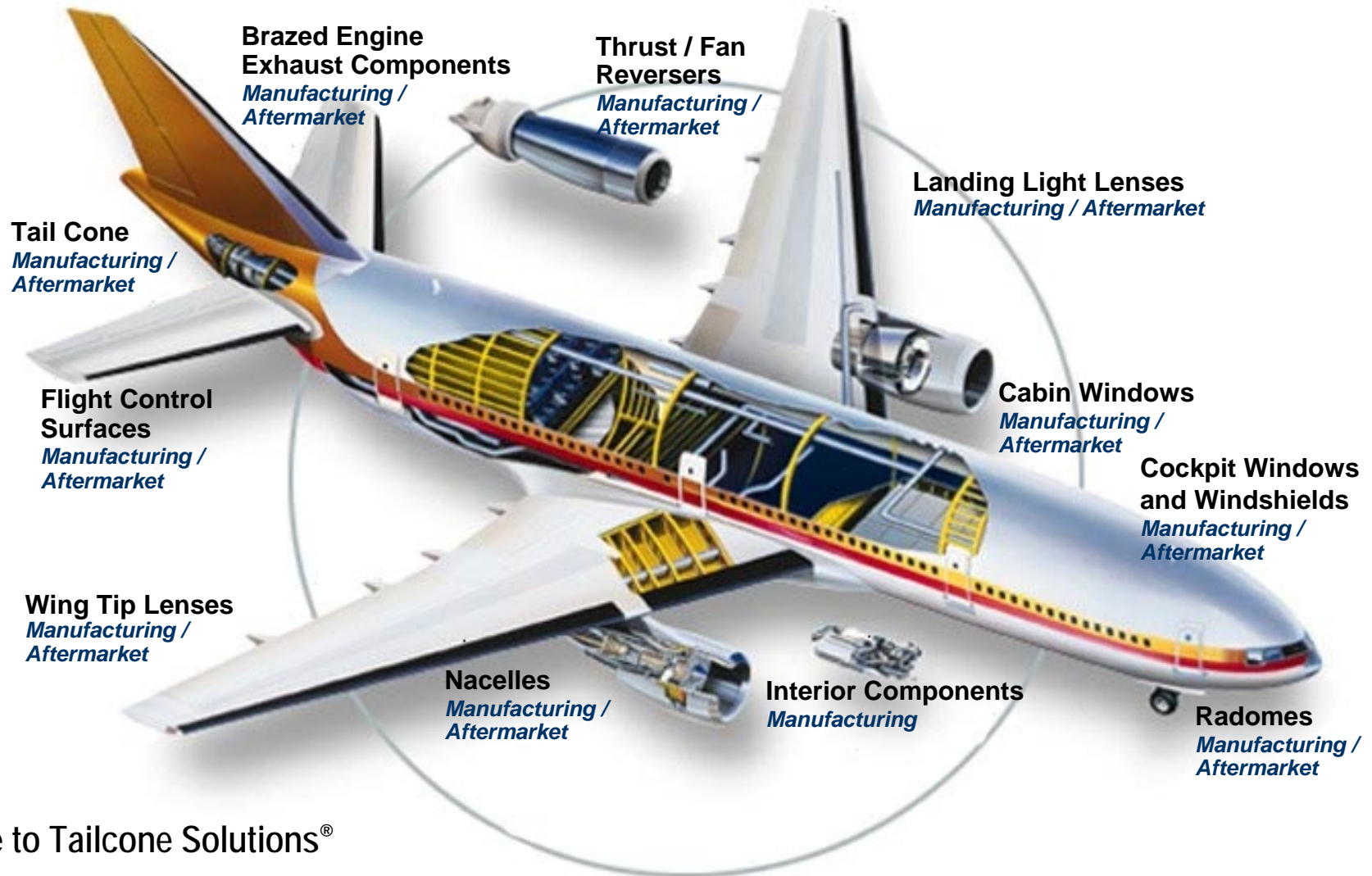


NORDAM's Core Competencies

- Composite Bonding
- Metal Bonding
- Acrylic Manufacturing / Repair
- Integrated Propulsion Systems
- Integrated Interior Solutions™
- WeatherMASTER® Radomes
- NORSTAR® Transparencies
- Vacuum Brazing
- Plastic Fabrication
- Design, Engineering, Certification
- Spares Support



NORDAM Experience & Capabilities



Interiors & Structures Division

Capabilities / Core Competencies:

- Composite and Metal Bonding
 - Structural & Non-Structural Components
- Flat Panel Fabrication
- Plastic Fabrication
 - Composite Lay-Up, Glass Cloth
 - Thermoforming
 - Twin Sheet Vacuum
 - Hot Presses
- Cabinetry & Interior Structures
 - Build-to-Print
 - Design-to-Specification
- Integrated Interior Solutions™
- Design and Engineering



Products:

- Fuel Tanks
- Fairings
- Doors
- Leading Edges
- Headliners
- Side Ledges
- Cockpit Panels
- Glare Shields
- Ducts
- Valance Panels
- Stowage Bins
- Structural Components

Wichita Division

Capabilities / Core Competencies:

- Cabinetry Fabrication
 - Unfinished / Finished
 - Build-to-Print or Design-to-Specification
- Integrated Interior Solutions
 - Program Management
 - Supply Chain Management
 - Electrical, Mechanical Systems and Structural Engineering
 - Interior Styling
 - Design, Test and Certification
- Design and Engineering



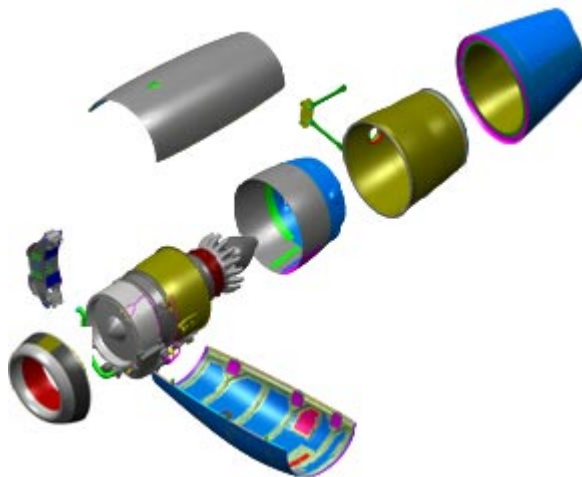
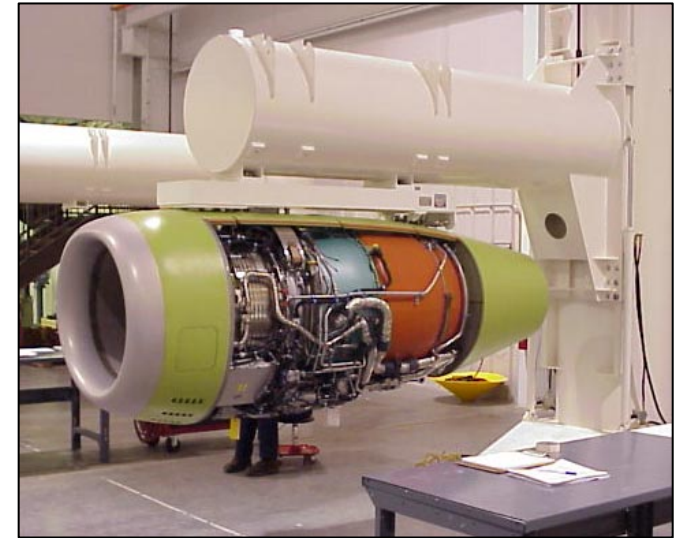
Products:

- Galleys
- Divans / Cabinets
- Conference Tables
- Counter Tops
- Cabin Dividers
- Bulkheads
- Credenzas
- Pocket Doors
- Lav Closets
- Side Ledges
- Cabin Management System Integration
- Entertainment System Integration
- Water and Waste Systems
- Air Distribution Systems

Nacelle and Thrust Reverser Systems Division

Capabilities / Core Competencies:

- Engine Build Up
- Nacelle and Thrust Reverser Components
- Integrated Propulsion Systems
 - Complete systems from development to production and product support
- Composite and Metal Bonding
- Repair and Overhaul



Products:

- Inlets
- Inlet Anti-Ice Systems
- Access Cowls
- EBU
- Thrust Reversers
- Engine Mounts
- Core and Fan Cowls

Repair Division (Tulsa, Europe, and Singapore)

Capabilities / Core Competencies:

- Composite and Metal Bonding
- Sheet Metal Repair / Fabrication
- WeatherMASTER® Radome
 - Nose, SATCOM and EVS Radomes
- Vacuum Brazing
- Exotic Metal Forming
- AOG Spares Support



Products:

- Airframe Components
- Engine Components
- Nacelles
- Fan / Thrust Reversers
- Engine Exhaust Components
- Radomes
- Ejector Tubes
- Centerbodies
- Exhaust Nozzles



Transparency Division (Tulsa and Europe)

Capabilities / Core Competencies:

- Acrylic – Vertically Integrated
 - Billet Manufacturing
 - Biaxial Stretching
 - CNC Machining
- NORSTAR® Technology
 - Polycarbonate Inner Ply
 - Acrylic Outer Ply
 - Repairability
- Simulator Back Projection Screens

Products:

- Passenger Cabin Windows
- Flight Deck Windows
- Wing Tip Lenses
- Landing Lights Lenses
- Simulator Visual Display Systems
- Helicopter Transparencies
- MIL Spec Stretched Acrylic



"Taking four separate divisions of The NORDAM Group to one ODA, a work in progress."

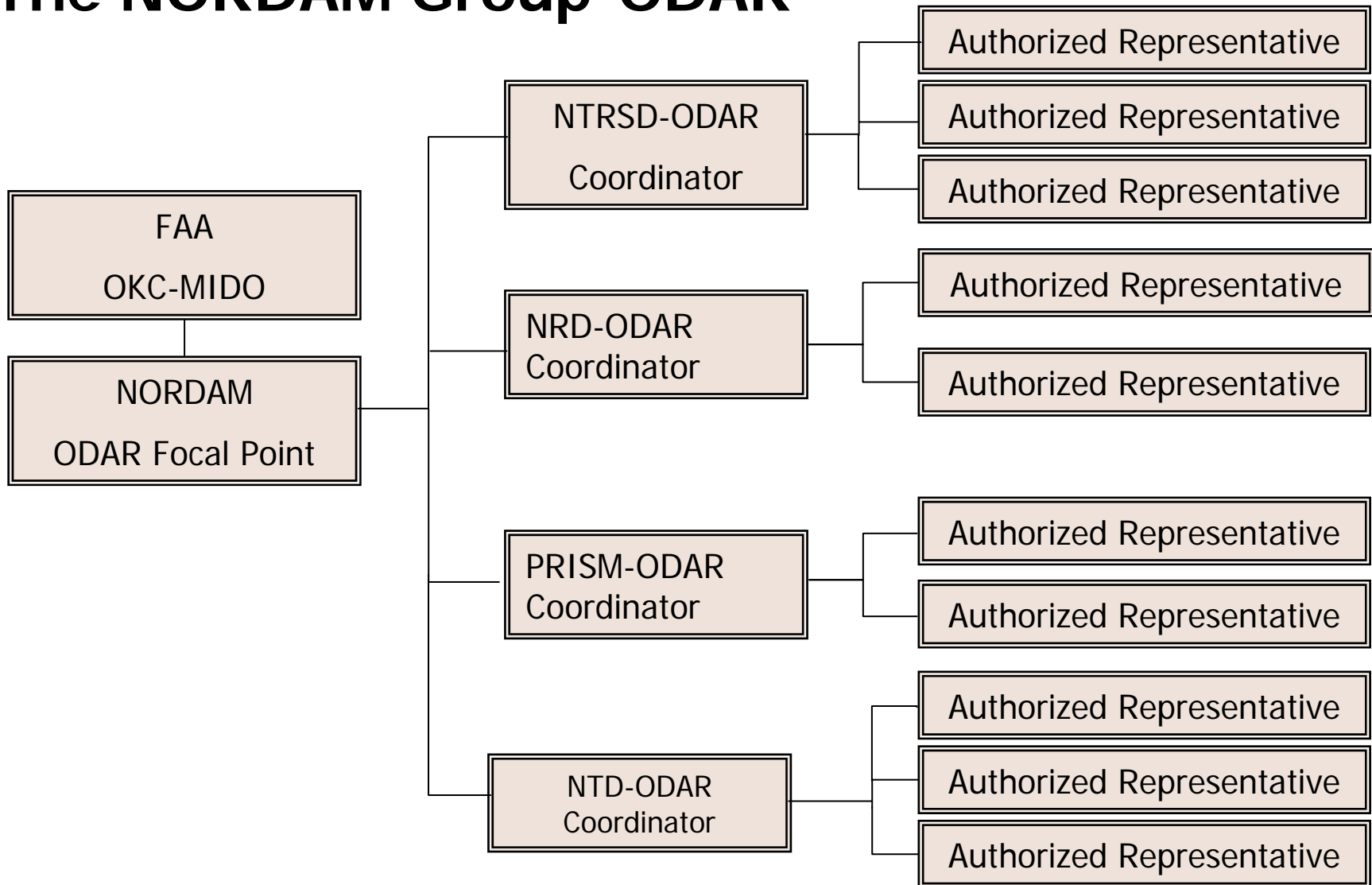
- NORDAM had four very different divisions that have very unique and different product lines.
- The MIDO had a regulatory responsibility to provide oversight and supervision.
- Each division had their own DMIRS.

- Around 1993 the FAA introduced the Organization Delegated Airworthiness Representative ODAR.
- The different NORDAM facilities were divided between the MIDO office ASI to expose them to different complexity.
- Vague guidance was initially provided on ODAR manual content.
 - Each of the NORDAM division created there own manual and operated somewhat differently.

- Due to MIDO staff reduction one ASI was assigned to all NORDAM divisions.
 - ASI discovered four distinctly different ODAR manuals.
- Requested meeting with NORDAM corporate quality office.
 - Recommended standardizing ODAR manuals for all divisions.

- Using the concepts introduced in the ODA draft rule
 - Created a single common ODAR focal point for all divisions.
 - Retained ODAR coordinators at each division reporting to the focal point

The NORDAM Group-ODAR



- Win-Win for both NORDAM and FAA.
 - FAA reduction in over-site activity
 - NORDAM standardization of ODAR process.

- As a result
 - All quarterly activity reports were standardized and routed through ODAR focal point office
 - Electronic form templates created
 - Existing ODAR manuals were rewritten and submitted in a single format
 - Creating web-based ODAR tool box

- NORDAM encouraged by MIDO to proceed towards single ODA
- Reviewed ODA draft and DDS order 8100.9
- Current Activity
 - Assembled prototype ODA manual PMA ODA. Elements include
 - Self evaluation
 - AR candidacy program
 - Standardized AR application package per 8100.8
 - Common ODA record retention
 - Training program

- Challenges

- SAP implementation – Going live Nov. '06
 - Forcing overall standardized
- Combining separate PMA's under one ODA ?

Division	No. of STC's	No. of PMA's (supplements)	Total Number of PMA Parts
Transparency Division	32	92	1050
Nacelle & Thrust Reverser	10	11	22
Repair division	18	11	52
PRISM	5	4	9
Total	65	118	1133